

**Notice of Allowability**

Application No.

10/673,291

Applicant(s)

TORII, KATSUHIKO

Examiner

Nguyen N Hanh

Art Unit

2834

**-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--**

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☐ This communication is responsive to \_\_\_\_.
2. ☒ The allowed claim(s) is/are 1-9.
3. ☒ The drawings filed on 30 September 2003 are accepted by the Examiner.
4. ☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some\* c) ☒ None of the:
1. ☒ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_.
3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

\* Certified copies not received: \_\_\_\_.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.  
**THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.**

5. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
6. ☐ CORRECTED DRAWINGS (as "replacement sheets") must be submitted.
- (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached
- 1) ☐ hereto or 2) ☐ to Paper No./Mail Date \_\_\_\_.
- (b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date \_\_\_\_.
- Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).
7. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

**Attachment(s)**

1. ☒ Notice of References Cited (PTO-892)
2. ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
3. ☒ Information Disclosure Statements (PTO-1449 or PTO/SB/08), Paper No./Mail Date \_\_\_\_
4. ☐ Examiner's Comment Regarding Requirement for Deposit of Biological Material
5. ☐ Notice of Informal Patent Application (PTO-152)
6. ☐ Interview Summary (PTO-413), Paper No./Mail Date \_\_\_\_
7. ☐ Examiner's Amendment/Comment
8. ☒ Examiner's Statement of Reasons for Allowance
9. ☐ Other \_\_\_\_

## **DETAILED ACTION**

### ***Allowable Subject Matter***

1. Claims 1-9 are allowed.
2. The following is a statement of reasons for the indication of allowable subject matter:

Regarding claim 1, the prior art of record does not show motor comprising: a motor main body, a rotatable shaft and a speed reducing mechanism that reduces the speed of the rotatable shaft; a gear housing that receives the speed reducing mechanism and a circuit board that is held in the gear housing; wherein: the gear housing includes a circuit board receiving portion, which opens toward the motor main body and receives the circuit board; the motor main body further includes a brush holder, which supports a plurality of brushes and includes a motor-side connector to be connected with an external connector, wherein the motor-side connector is integrated into the brush holder; the circuit board is installed to the brush holder in a direction perpendicular to an axial direction of the rotatable shaft to electrically connect between the motor-side connector and the brushes; and the circuit board is received in the circuit board receiving portion when the motor main body and the speed reducing unit are assembled together.

Regarding claim 6, the prior art of record does not show motor comprising: a motor main body, a rotatable shaft and a speed reducing mechanism that reduces the speed of the rotatable shaft; a gear housing that receives the speed reducing mechanism and a circuit board that is held in the gear housing; wherein: the gear

housing includes a circuit board receiving portion, which opens toward the motor main body and receives the circuit board; the motor main body further includes a brush holder, which supports a plurality of brushes and includes a connector case wherein the connector case is integrated into the brush holder; the circuit board includes a connector main body which is inserted in the direction perpendicular to the axial direction of the rotatable shaft to form the motor-side connector, therefore the circuit board is installed to the brush holder in a direction perpendicular to an axial direction of the rotatable shaft to electrically connect between the motor-side connector and the brushes; and the circuit board is received in the circuit board receiving portion when the motor main body and the speed reducing unit are assembled together.

### ***Conclusion***

3. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Hanh N Nguyen whose telephone number is (571) 272-2031. The examiner can normally be reached on Monday through Friday.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Darren Schuberger, can be reached on (571) 272-2044. The fax phone numbers for the organization where this application or proceeding is assigned are (703) 872-9306 for regular communications and (703) 872-9306 for After Final communications.

Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the receptionist whose telephone number is (703) 308-1782.

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HNN

April 21, 2004

A handwritten signature in cursive script, appearing to read "Dangle".

**DANGLE**  
**PRIMARY EXAMINED**